

Application No. (if known): 10/549,374

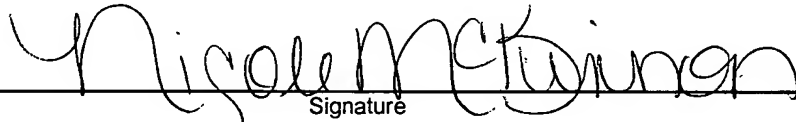
Attorney Docket No.: 63988 (71719)

## Certificate of Express Mailing Under 37 CFR 1.10

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on June 22, 2006  
Date

  
Signature

Nicole McKinnon

Typed or printed name of person signing Certificate

Registration Number, if applicable

Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Transmittal (1 page);

Copy of the Notification of Missing Requirements (2 pages);

Response to Notification of Missing Requirements (2 pages);

Executed Declaration and Power of Attorney (4 pages);

11 sheets of drawings indicating changes in red;

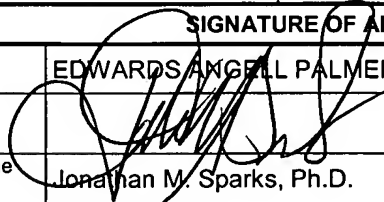
19 sheets of replacement drawings consisting of Fig. 1 - Fig. 19c; and

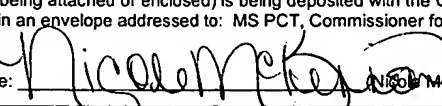
Return receipt postcard.

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|   |  |                        |                    |
|---|--|------------------------|--------------------|
| <h1 style="text-align: center;">TRANSMITTAL<br/>FORM</h1> <p style="text-align: center;">(to be used for all correspondence after initial filing)</p> |  | Application Number     | 10/549,374         |
|   |  | Filing Date            | September 14, 2005 |
|   |  | First Named Inventor   | Kiyoshi Ito        |
|   |  | Art Unit               | N/A                |
|   |  | Examiner Name          | Not Yet Assigned   |
| Total Number of Pages in This Submission  |  | Attorney Docket Number | 63988 (71719)      |

| ENCLOSURES (Check all that apply)  |  |   |
|--|--|---|
| <input type="checkbox"/> Fee Transmittal Form<br><input type="checkbox"/> Fee Attached<br><input type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><input type="checkbox"/> Extension of Time Request<br><input type="checkbox"/> Express Abandonment Request<br><input type="checkbox"/> Information Disclosure Statement<br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><input checked="" type="checkbox"/> Reply to Missing Parts/Incomplete Application<br><input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><input type="checkbox"/> Licensing-related Papers<br><input type="checkbox"/> Petition<br><input type="checkbox"/> Petition to Convert to a Provisional Application<br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><input type="checkbox"/> Terminal Disclaimer<br><input type="checkbox"/> Request for Refund<br><input type="checkbox"/> CD, Number of CD(s) _____<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><input type="checkbox"/> Proprietary Information<br><input type="checkbox"/> Status Letter<br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):<br>Copy of executed Declaration and Power of Attorney; Copy of Notification of Missing Requirements; 11 sheets of drawings indicating changes in red; 19 sheets of replacement drawings consisting of Fig. 1 - Fig. 19c; Certificate of Express Mailing; and return receipt postcard. |
| <div style="border: 1px solid black; padding: 5px;">Remarks</div>  |  |   |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |   |          |        |
|--|---|----------|--------|
| Firm Name                                  | EDWARDS ANGELL PALMER & DODGE LLP   |          |        |
| Signature                                  |  |          |        |
| Printed name                               | Jonathan M. Sparks, Ph.D.   |          |        |
| Date                                       | June 22, 2006   | Reg. No. | 53,624 |

|   |   |
|---|---|
| I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service as Express Mail, Label No. 754862952 US, on the date shown below in an envelope addressed to: MS PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. |   |
| Dated: June 22, 2006  | Signature:  (Nicholas McKinnon) |

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT: Kiyoshi ITO, *et al.* CONFIRMATION #: 6161  
SERIAL NO.: 10/549,374 EXAMINER: Not Yet Assigned  
FILED: September 14, 2005 GROUP: Not Yet Assigned  
FOR: CHEMICAL DIFFUSION SYSEM, CHEMICAL DIFFUSION  
APPARATUS, CHEMICAL DIFFUSION UNIT AND CHEMICAL  
CARTRIDGE

\*\*\*\*\*

**CERTIFICATE OF EXPRESS MAILING**

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By:

  
Nicole McKinnon

\*\*\*\*\*

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE TO NOTIFICATION OF MISSING REQUIREMENTS**

Sir:

The following papers are enclosed herewith:

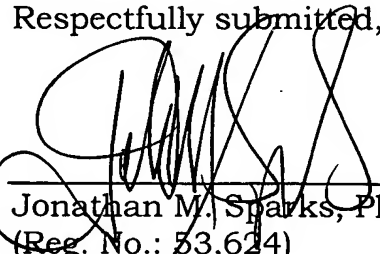
1. A copy of the Notification of Missing Requirements Under 35 U.S.C. 371 mailed April 25, 2006 for the subject application;
2. A Combined Declaration and Power of Attorney signed by the inventors; and
3. 11 sheets of drawings indicating changes in red;
4. 19 sheets of replacement drawings consisting of Fig. 1 – Fig. 19c; and
5. Transmittal.

Applicants believe that additional fees are not required, however, if for any reason a fee is required, a fee paid is inadequate or credit is owed for any excess fee paid, you are hereby authorized and requested to charge Deposit Account No.: 04-1105.

Respectfully submitted,

Date: June 22, 2006  
Customer No. 21874

By:

  
Jonathan M. Sparks, Ph.D.  
(Reg. No.: 53,624)

John J. Penny, Jr.  
(Reg. No. 36,984)

EDWARDS ANGELL PALMER & DODGE LLP  
P.O. Box 55874  
Boston, MA 02205  
(617) 439-4444

63988(71719) JJP



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
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|                             |                       |                  |
|-----------------------------|-----------------------|------------------|
| U.S. APPLICATION NUMBER NO. | FIRST NAMED APPLICANT | ATTY. DOCKET NO. |
| 10/549,374                  | Kiyoshi Ito           | 63988 (71719)    |

|                               |
|-------------------------------|
| INTERNATIONAL APPLICATION NO. |
| PCT/JP04/01940                |

|                  |               |
|------------------|---------------|
| I.A. FILING DATE | PRIORITY DATE |
| 02/19/2004       | 03/14/2003    |

21874  
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 P.O. BOX 55874  
 BOSTON, MA 02205

*missing parts*  
 EDWARDS ANGELL PALMER & DODGE LLP  
 101 Federal St. Boston, MA 02110

Docketed For

By

Approved

6/25/06-11/25/06

CONFIRMATION NO. 6161

371 FORMALITIES LETTER



\*OC000000018605403\*

Date Mailed: 04/25/2006

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 09/14/2005
- English Translation of the IA filed on 09/14/2005
- Copy of the International Search Report filed on 09/14/2005
- Preliminary Amendments filed on 09/14/2005
- Information Disclosure Statements filed on 09/14/2005
- Request for Immediate Examination filed on 09/14/2005
- U.S. Basic National Fees filed on 09/14/2005
- Priority Documents filed on 09/14/2005

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

SHAKEEL AHMED

Telephone: (703) 308-9140 EXT 208

PART 1 - ATTORNEY/APPLICANT COPY

| U.S. APPLICATION NUMBER NO. | INTERNATIONAL APPLICATION NO. | ATTY. DOCKET NO. |
|-----------------------------|-------------------------------|------------------|
| 10/549,374                  | PCT/JP04/01940                | 63988 (71719)    |

FORM PCT/DO/EO/905 (371 Formalities Notice)